

LIBRARY RESOURCES & SERVICES

Montana Department of Transportation
Research Program
March 2007

OVERVIEW

- Handouts
- Background
- Library Catalog
- Databases
- Services

Visit our web site for more information on these and other services

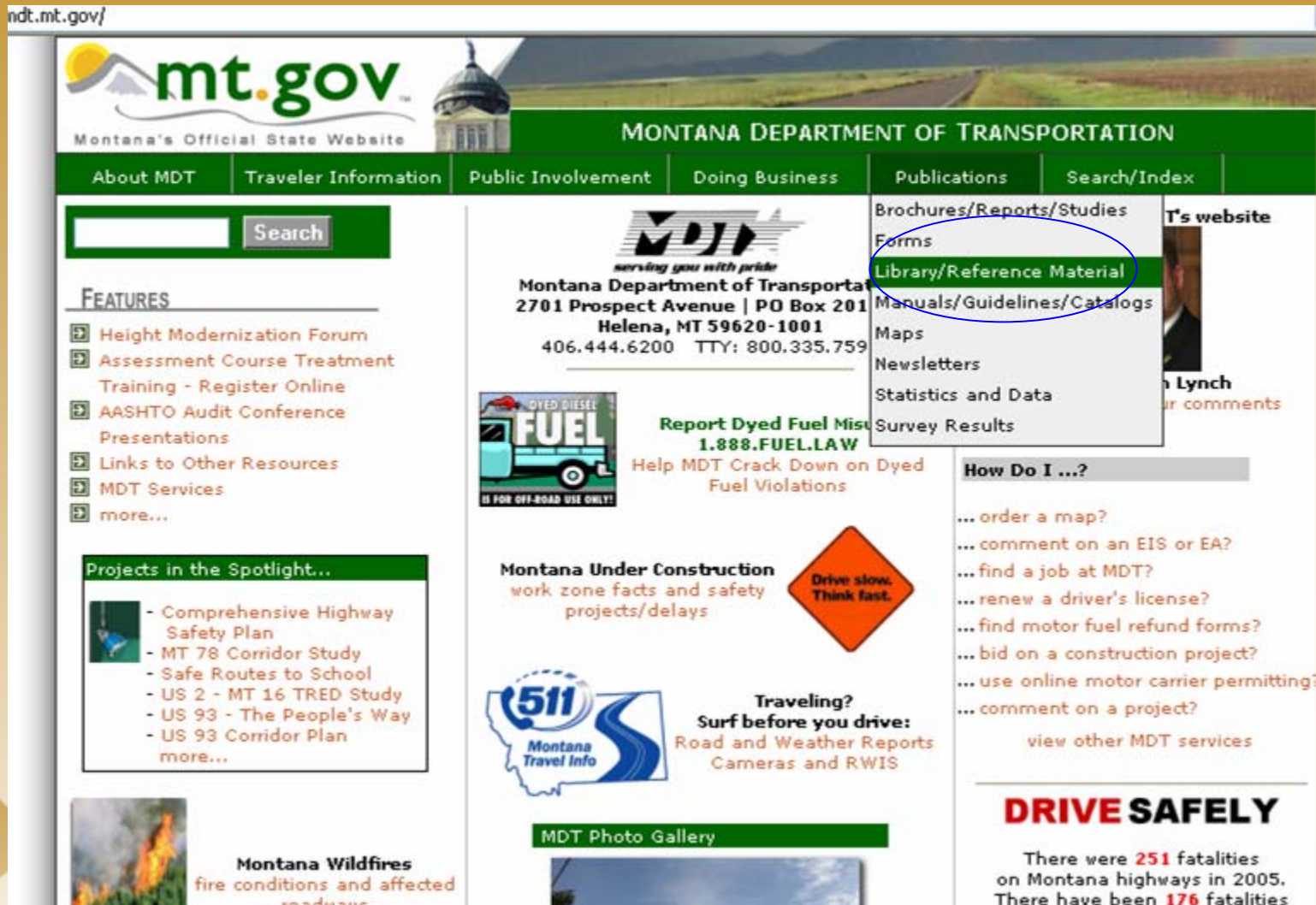
<http://mdtinfo/research/> (Intranet) or
<http://www.mdt.mt.gov/research/> (Internet).

LIBRARY - BACKGROUND

- Montana Shared Catalog (MSC)
- Departmental Library
 - ❖ Research, Org-Dev, Aeronautics
 - ❖ Construction, Planning, Traffic, ROW
 - ❖ ISD and Geotech
- Shared Catalog offers
 - ❖ Tables of Contents
 - ❖ Abstracts
 - ❖ Full text documents or pdf links

LIBRARY CATALOG ACCESS

ndt.mt.gov/



mt.gov
Montana's Official State Website

MONTANA DEPARTMENT OF TRANSPORTATION

About MDT | Traveler Information | Public Involvement | Doing Business | Publications | Search/Index

Search

FEATURES

- Height Modernization Forum
- Assessment Course Treatment Training - Register Online
- AASHTO Audit Conference Presentations
- Links to Other Resources
- MDT Services
- more...

Projects in the Spotlight...

- Comprehensive Highway Safety Plan
- MT 78 Corridor Study
- Safe Routes to School
- US 2 - MT 16 TRED Study
- US 93 - The People's Way
- US 93 Corridor Plan
- more...

Montana Wildfires
fire conditions and affected roadways

MDT
serving you with pride
Montana Department of Transportation
2701 Prospect Avenue | PO Box 201
Helena, MT 59620-1001
406.444.6200 TTY: 800.335.759

Report Dyed Fuel Misuse
1.888.FUEL.LAW
Help MDT Crack Down on Dyed Fuel Violations

Montana Under Construction
work zone facts and safety projects/delays

Traveling?
Surf before you drive:
Road and Weather Reports
Cameras and RWIS

MDT Photo Gallery

Publications

- Brochures/Reports/Studies
- Forms
- Library/Reference Material**
- Manuals/Guidelines/Catalogs
- Maps
- Newsletters
- Statistics and Data
- Survey Results

How Do I ...?

- ... order a map?
- ... comment on an EIS or EA?
- ... find a job at MDT?
- ... renew a driver's license?
- ... find motor fuel refund forms?
- ... bid on a construction project?
- ... use online motor carrier permitting?
- ... comment on a project?

view other MDT services

DRIVE SAFELY

There were **251** fatalities on Montana highways in 2005. There have been **176** fatalities

RESEARCH PROGRAMS

LIBRARY CATALOG ACCESS

mt.gov
Montana's Official State Website

MONTANA DEPARTMENT OF TRANSPORTATION

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Search

FEATURES

- Height Modernization Forum
- Assessment Course Treatment
- Training - Register Online
- AASHTO Audit Conference Presentations
- Links to Other Resources
- MDT Services
- more...

Projects in the Spotlight...

- Comprehensive Highway Safety Plan
- MT 78 Corridor Study
- Safe Routes to School
- US 2 - MT 16 TRED Study
- US 93 - The People's Way
- US 93 Corridor Plan
- more...

Research

- Commercial Motor Carriers
- Community Transportation Enhancement
- Contracting/Consulting with MDT
- Fuel Taxes
- Grants & Funding
- Outdoor Advertising and Control
- Property & Equipment Management
- Research**
- Utilities

Montana Under Construction
work zone facts and safety projects/delays

Traveling?
Surf before you drive:
Road and Weather Reports
Cameras and RWIS

DRIVE SAFELY

LIBRARY CATALOG ACCESS

fo.mdt.state.mt.us/mdt/departments.shtml



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Montana Department of Transportation Intranet

MDT Info	Employee Info	Training	Resources	Policies/Laws	Travel Info
MDT INFORMATION ABOUT MDT Cafeteria Menu Departments Internal Job Postings Logowear Org Charts Quick Tour STAY INFORMED Interchange Montana and the Big Sky Newsline Newspaper Clippings Press Releases Research Solutions MEETINGS/MINUTES Admin Staff Minutes DA Meeting Minutes Dist Const Eng Minutes Helena Meetings IT Governance Maint Chiefs Minutes Traffic Control Task Force Trns•port - PRISM Summit Transport, Commission PROGRAMS SQUAD TRAINING	Aeronautics Division Administration Division Accounting Administration Unit Fuel Tax Management and Analysis Purchasing/Mail Room District Offices Billings Great Falls Butte Missoula Glendive Engineering Division Construction Contract Plans Materials Management Information and Support Research Preconstruction Admin	Human Resources Division Civil Rights Occupational Safety & Health Operations Bureau Workforce Planning Information Services Division Internal Audit Legal Services Maintenance Division Building Maintenance Equipment Motor Pool Motor Carrier Services Division Director's Office/Public Info MDT Outreach			

RESEARCH PROGRAMS

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fo.mdt.state.mt.us/research/



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MDT Info	Employee Info	Training	Resources	Policies/Laws	Travel Info
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RESEARCH PROGRAMS

WHAT'S NEW

ANNUAL REPORTS


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GUIDELINES
General
Report Writing

PROJECTS
Completed
Experimental
Overview | Active | All Research
Overview | Active | All Project Solicitation
Request for Proposals
Pool Funded Studies
FHWA | Montana

TECH TRANSFER
Library
Literature Search

MDT Research Programs




research collage

The Montana Department of Transportation (MDT) Research Programs serve to discover, develop, and extend knowledge needed to operate, maintain, and improve the statewide multi-modal transportation system.

RESEARCH PROGRAMS

LIBRARY CATALOG



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RESOURCES

GENERAL
[Info Tech Architecture](#)
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RESOURCES
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MT Information Network (MINE)

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[Phone/Cell & SABHRS ID](#)
[Freq Used Names & Nos](#)
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Library Services

Online Public Access Catalog (OPAC)
[Search the Catalog](#)
[Learn More About Searching the Catalog and Searching Services](#)
[Training](#)
[Top 10 Reasons to Find it @ your MDT Library](#)

Literature Searches

Databases
 National Transportation Library and Transportation Research Information Service (TRIS) merged to form a new database [NTL/TRIS Online](#).

[ALL 50 State DOT Search Engine](#)

[Research in Progress \(RIP\)](#) is also useful for finding studies that are not yet published. In addition, you can search the [Infotrac](#) databases provided by Montana State Library.

If you are having trouble finding what you need, contact [MDT Research](#).

Interlibrary Loan
 If you would like to obtain a publication that we do not hold, please either request the item from the [I Need Material](#) link in our catalog at

SEARCH/HOME PAGE

The Montana Shared Catalog
Montana Department of Transportation
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Search

☒ Keyword ☐ Begins with

Search for:

In this library:

After entering a term, click on the type of search you want.

[words or phrase](#) [author](#) [title](#) [subject](#) [series](#) [periodical title](#)

[Advanced Search](#)

Cool Sites...
[All Fifty States DOT Search Engine \(Google\)](#)
[Trans. Research Info. Service \(TRIS\)](#)
[Trans. Research In Progress \(RIP\)](#)
[Transportation Libraries Catalog](#)

SEARCH/HOME PAGE

To log in click on “Login to My Library Account”.

Alternate ID = User #, ex: U8146
(Case sensitive, use caps)

PIN = User #, without letter, Ex: 8146
(Case sensitive, use caps)

Search

☒ **Keyword** ☐ **Begins with**

Search for:

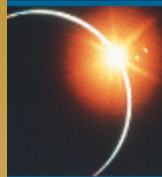
In this library: ▼

After entering a term, click on the type of search you want.

[Advanced Search](#)

Cool Sites...

[All Fifty States DOT Search Engine \(Google\)](#)
[Trans. Research Info. Service \(TRIS\)](#)
[Trans. Research In Progress \(RIP\)](#)
[Transportation Libraries Catalog](#)



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Montana Department of Transportation
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Search Results

words or phrase "whitetopping" search found 17 titles.

Sorting O

#1

2006

[Full Details](#)

Evaluation of unbonded ultrathin whitetopping of brick streets

Cable, James K. (James Karl).

[Add to List](#)

1 copy at Montana Department of Transportation Library in Research division

Book

[URL](#)

#2

2006

[Full Details](#)

Evaluation of composite pavement unbonded overlays : phase III

Cable, James K. (James Karl)

[Add to List](#)

1 copy at Montana Department of Transportation Library in Research division

Book

[URL](#)

You Found Titles
Categories:
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Abstracts, Table of Contents, pdf links

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Nearby items on shelf

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Item Information **Catalog Record**

Evaluation of unbonded ultrathin whitetopping of brick streets
Cable, James K. (James Karl).

Holdings
Montana Department of Transportation Library Copies Material Location
Call # is: **TE255.C33 2006** 1 Book Research division

Publisher: Center for Transportation Research and Education, Iowa State University,
Pub date: 2006.
Description: vii, (13 p.) :
Copy info: 1 copy at Montana Department of Transportation Library,
1 copy total in all libraries.
More Information: [URL](#)

Abstract

searched for: words or phrase "Evaluation of unbonded ultrathin whitetopping of brick streets"

Item Information

Catalog Record

Evaluation of unbonded ultrathin whitetopping of brick streets

Cable, James K. (James Karl).

Personal Author: [Cable, James K. \(James Karl\).](#)

Title: [Evaluation of unbonded ultrathin whitetopping of brick streets / by James K. Cable and J. Williams.](#)

Publication info: Ames, Iowa : Center for Transportation Research and Education, Iowa State University, 2006.

Physical descrip: vii, (13 p.) : ill. (some col.) ; 28 cm.

General Note: "June 2006."

General Note: A National Concrete Pavement Technology Center report.

Summary: Many cities in Iowa have retained the original brick street surfaces in downtown areas and in older residential areas as the base for modern driving surfaces. The original brick surfaces were not built to handle current and future traffic loadings. In recent years, these surfaces have tended to shift and become uneven, creating problems with safety. Asphaltic concrete overlays have been the typical rehabilitation technique in these situations. This has proven to be successful rehabilitation technique in some cases; in other cases, the combination of movement of the brick and flexibility of the asphalt has proven to accentuate the original problems. Most of the existing literature on rehabilitation of brick streets shows the use of asphaltic concrete. Other rehabilitation methods include reconstruction of the brick surface and strengthening of the surface by placing asphaltic concrete or portland cement concrete, along with sand, underneath the brick layers. To date, little if anything has been done in the area of using portland cement concrete as an overlay of the brick surfaces. This final report documents the planning, construction, and performance of unbonded ultrathin whitetopping rehabilitation of a brick street in Oskaloosa, Iowa, in 2001. It also reports on a similar project in Des Moines that was constructed two years later in 2003.

Subject term: [Pavements, Brick--Iowa--Maintenance and repair.](#)

Subject term: [Pavements--Iowa--Overlays.](#)

Subject term: [Whitetopping. trt](#)

Subject term: [Brick pavements. trt](#)

Fulltext report or pdf

Item Information

Catalog Record

Evaluation of unbonded ultrathin whitetopping of brick streets
Cable, James K. (James Karl).

Holdings

Montana Department of Transportation Library Copies Material Location

Call # is: **TE255.C33 2006** 1 Book Research division

Publisher: Center for Transportation Research and Education, Iowa State University,
Pub date: 2006.
Description: vii, (13 p.) :
Copy info: 1 copy at Montana Department of Transportation Library.
1 copy total in all libraries.

More Information: [URL](#)

Evaluation of Unbonded Ultrathin Whitetopping of Brick Streets

National Concrete Pavement
Technology Center



Final Report
June 2006



State DOT Search Engine

Search the websites of the Departments of Transportation from the fifty United States and the District of Columbia.

To search public transit agencies, try:

<http://www.google.com/coop/cse?cx=012995479145342077058%3Aipxox2lxkha>

To search university transportation centers, try: <http://www.google.com/coop/cse?cx=010809592348763093458%3A3jsikrwi874>

To search LTAP and TTAP Centers, try: <http://www.google.com/coop/cse?cx=010809592348763093458%3A3i0biypw1u>

To search metropolitan planning organizations, try: <http://www.google.com/coop/cse?cx=006511338351663161139%3Aktu1nltiojg>

Creator



Name: WSDOT Library
Member since: Dec 19

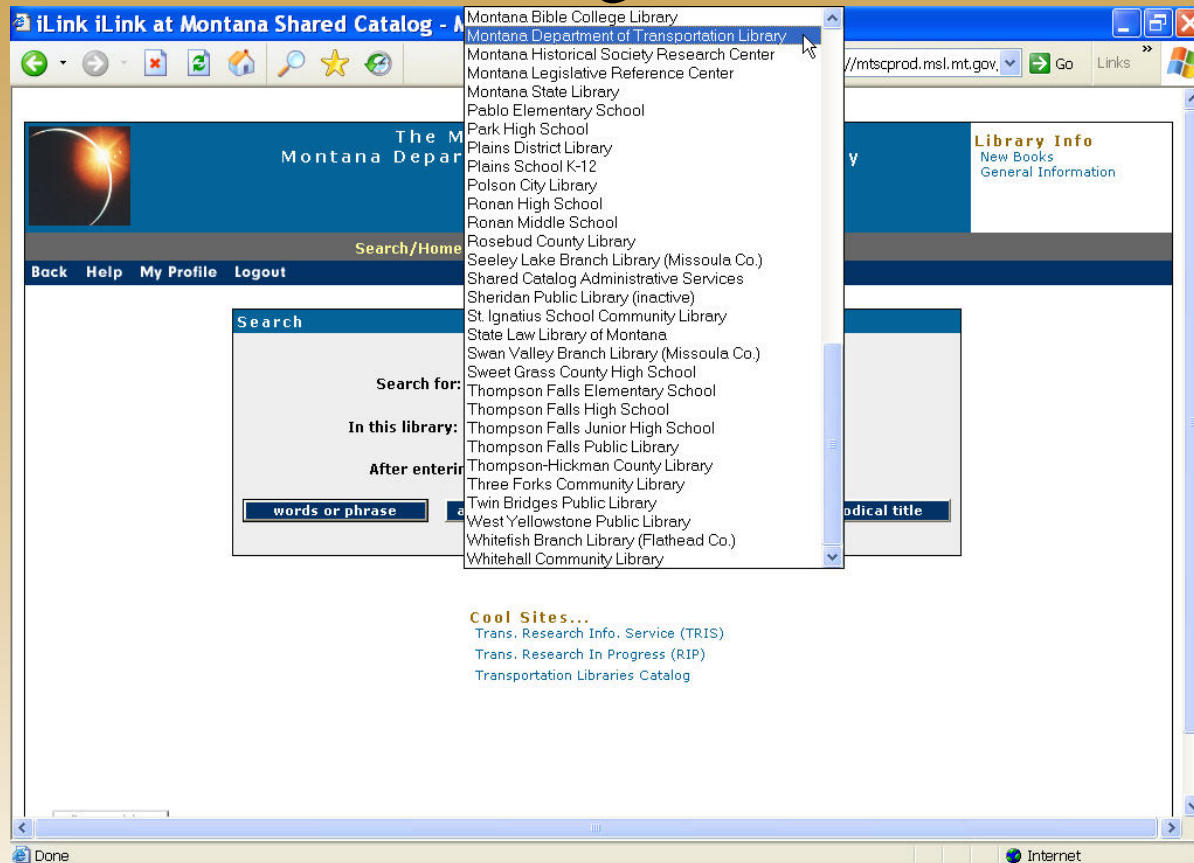
State DOT Search Engine searches 55 sites, including:
.nysdot.gov/, [http://.in.gov/dot/](http://*.in.gov/dot/), http://*.deldot.net/,
http://*.maine.gov/mdot/, http://*.az511.com/

Last updated: 8 days ago



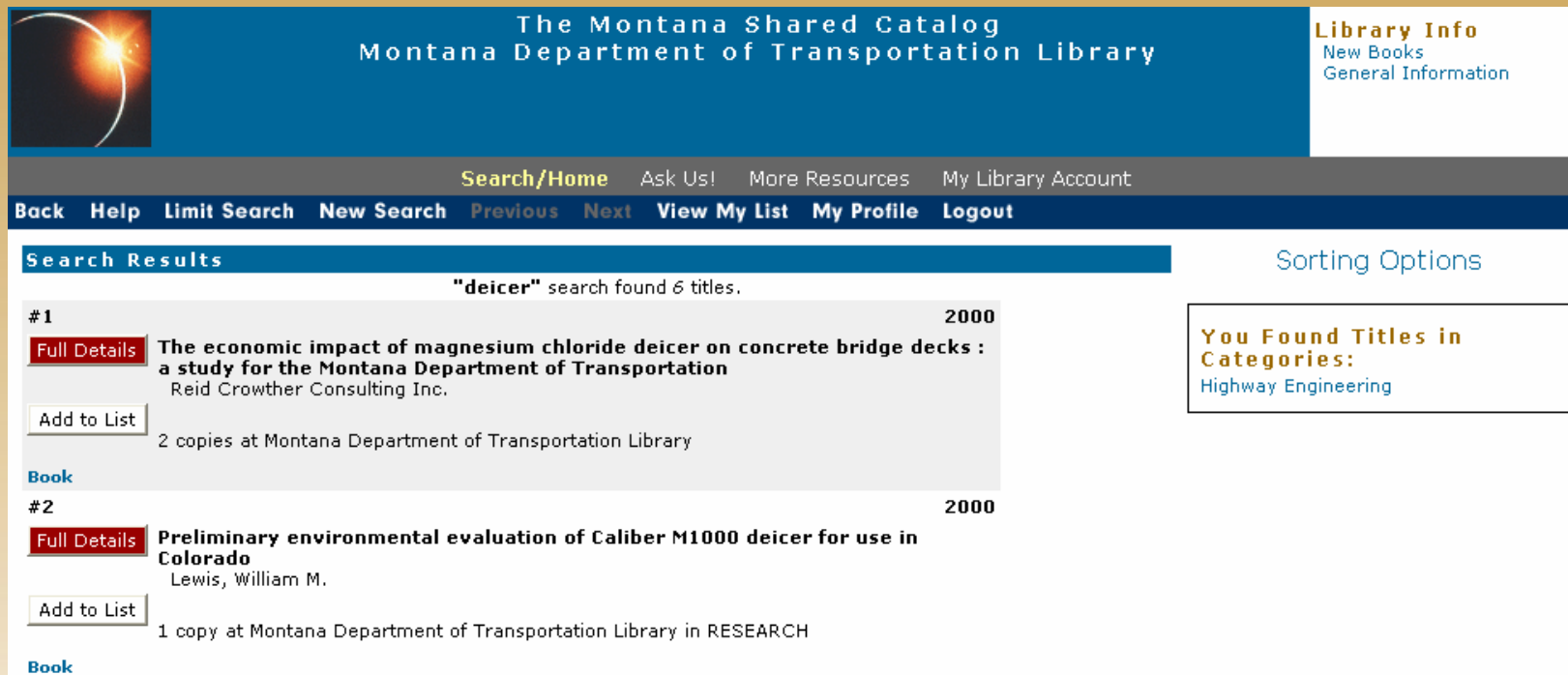
SEARCH/HOME PAGE

The “Search/Home” page allows simple searching in any or all Montana Shared Catalog Libraries.



SEARCH RESULTS

Search for publications with the word “deicer” as a word or phrase.



The screenshot displays the search results for the term "deicer" on the Montana Department of Transportation Library website. The header includes the site name and navigation links. The search results section shows two titles, both from 2000. The first title is "The economic impact of magnesium chloride deicer on concrete bridge decks : a study for the Montana Department of Transportation" by Reid Crowther Consulting Inc., with 2 copies available. The second title is "Preliminary environmental evaluation of Caliber M1000 deicer for use in Colorado" by Lewis, William M., with 1 copy available in the RESEARCH collection. A sidebar on the right indicates that titles were found in the "Highway Engineering" category.

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Montana Department of Transportation Library

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Search Results

"deicer" search found 6 titles.

#1 2000

[Full Details](#) **The economic impact of magnesium chloride deicer on concrete bridge decks : a study for the Montana Department of Transportation**
Reid Crowther Consulting Inc.

[Add to List](#) 2 copies at Montana Department of Transportation Library

Book

#2 2000

[Full Details](#) **Preliminary environmental evaluation of Caliber M1000 deicer for use in Colorado**
Lewis, William M.


[Add to List](#) 1 copy at Montana Department of Transportation Library in RESEARCH

Book

Sorting Options

You Found Titles in Categories:
[Highway Engineering](#)

DETAILS PAGE



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This is item 1 of 6 You searched for: "deicer"

Place Hold

Find more by this author
Find more on these topics
Nearby items on shelf
Tell Me When when new materials
by this author are available.
Tell Me When when new materials
on these topics are available.

**You Found Titles in
Categories:**
Highway Engineering

To save this item for printing or
e-mailing, click the "Add to List"
button below.

Add to List

To print or e-mail your "List" of
items, click the **View My List**
menu option near the top of the
page.


Item Information Catalog Record

**The economic impact of magnesium chloride deicer on concrete bridge decks : a study for the
Montana Department of Transportation**
Reid Crowther Consulting Inc.

Holdings
Montana Department of Transportation Library Copies Material Location
Call # is: **TG325.6.E26 2000** 2 Book Research division

Publisher: Montana Department of Transportation,
Pub date: 2000.
Description: i v. (various paging);
Copy info: 2 copies at Montana Department of Transportation Library,
2 copies total in all libraries.

BIBLIOGRAPHY



The Montana Shared Catalog
Montana Department of Transportation Library

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☐ **The economic impact of magnesium chloride deicer on concrete bridge decks : a study for the Montana Department of Transportation prepared by Reid Crowther Consulting Inc**
Reid Crowther Consulting Inc

options

sort by:

library:

view of records:

[VIEW](#) [Print Formatted](#)

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Your searches are not saved permanently.

ELECTRONIC BOOKS

[Full Details](#)

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Mediate, don't litigate [electronic resource] : [strategies for successful mediation] 1st ed.
Lovenheim, Peter.
2004
1 copy at Montana Department of Transportation Library in ONLINE

Electronic Book
[Summary](#) [URL](#)

[Full Details](#)

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Mediating dangerously [electronic resource] : the frontiers of conflict resolution
Cloke, Ken, 1941-
2001
1 copy at Montana Department of Transportation Library in ONLINE

Electronic Book
[Author Bio](#) [Summary](#) [Contents](#) [Chapter](#) [URL](#)

[Full Details](#)

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Using divorce mediation [electronic resource] : save your money & your sanity 1st. ed., rev. Mar. 2001.
Stoner, Katherine E., 1947-
2001
1 copy at Montana Department of Transportation Library in ONLINE

Electronic Book
[Summary](#) [URL](#)

[Full Details](#)

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The handbook of victim offender mediation [electronic resource] : an essential guide to practice and research 1st ed.
Umbreit, Mark S., 1949-
2000
1 copy at Montana Department of Transportation Library in ONLINE

Electronic Book
[Summary](#) [URL](#)

Try these too...
more information: H entered works on the v process of conflict reso between disputants by intervention of an impa party, often involving j problem solving.



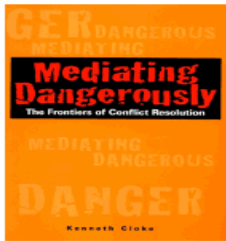
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http://mtscprod.msl.mt.gov/uhb/cgisirsi/byL8vN2IYa/MT-DOT/38490067/9

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This is item 3 of 9 You searched for: **words or phrase "mediation"**



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Find more by this author
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You Found Titles in Categories:
Family, Marriage, Women
General Sociology
Highway Engineering
Social Service, Welfare,

Item Information **More Information** **Catalog Record**

Mediating dangerously [electronic resource] : the frontiers of conflict resolution
Cloke, Ken, 1941-

Holdings
Montana Department of Transportation Library Copies **Material** **Location**
Call # is: **XX(88539.29)** 1 Electronic book Online resource

Summary
Sometimes it's necessary to push beyond the usual limits of the mediation process to achieve deeper and more lasting change. Mediating Dangerously shows how to reach beyond technical and traditional intervention to the outer edges and dark places of dispute resolution, where risk taking is essential and fundamental change is [read more...](#)

Publisher: Jossey-Bass,
Pub date: 2001.
Description: xvi, 251 p. :
ISBN: 0787959294
Copy info: 1 copy at Montana Department of Transportation Library.
1 copy total in all libraries.

More Information: [Chapter](#) [Author Bio](#) [Contents](#) [Summary](#) [URL](#)

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NetLibrary
Welcome to the Montana Shared Catalog eContent Collection

eBook Details

Mediating Dangerously: The Frontiers of Conflict Resolution
by [Cloke, Ken](#)

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[Email this Information](#)

Publication: San Francisco Jossey Bass, 2001.
Subject: [Conflict management.](#) [Mediation.](#)
Language: English [Full Metadata](#)

From Inside the eBook

PART ONE— THE INNER FRONTIERS There are several consequences of this approach. This does not mean that there is no objective or scientific truth, or that one or another answer might work better in a given circumstance. Isolated, adversarial, individual truths, in this sense, are less exact than relational truths. More deeply, as philosopher Martin Buber discovered: "I can only become I through my relationship with you, so truth is never just mine or yours, but ours." A second consequence of this approach is that mediators must always be open to change, because answers always depend on a unique set of ever-changing conditions requiring continuous modification. Third, this combined approach means no truth, no story, no claim, can ever prevail over its opposite, except by disappearing altogether, or combining in some new synthesis. Good can never defeat evil, life can never conquer death, and the sacred and the profane are one. In mediation, it means there are no victories without defeat. Mediators who assume one party is right and the other is wrong have ignored the fact that, in mediation, being right is a form of being wrong, just as being wrong is a form of being right. Mediators who want to reach a deeper

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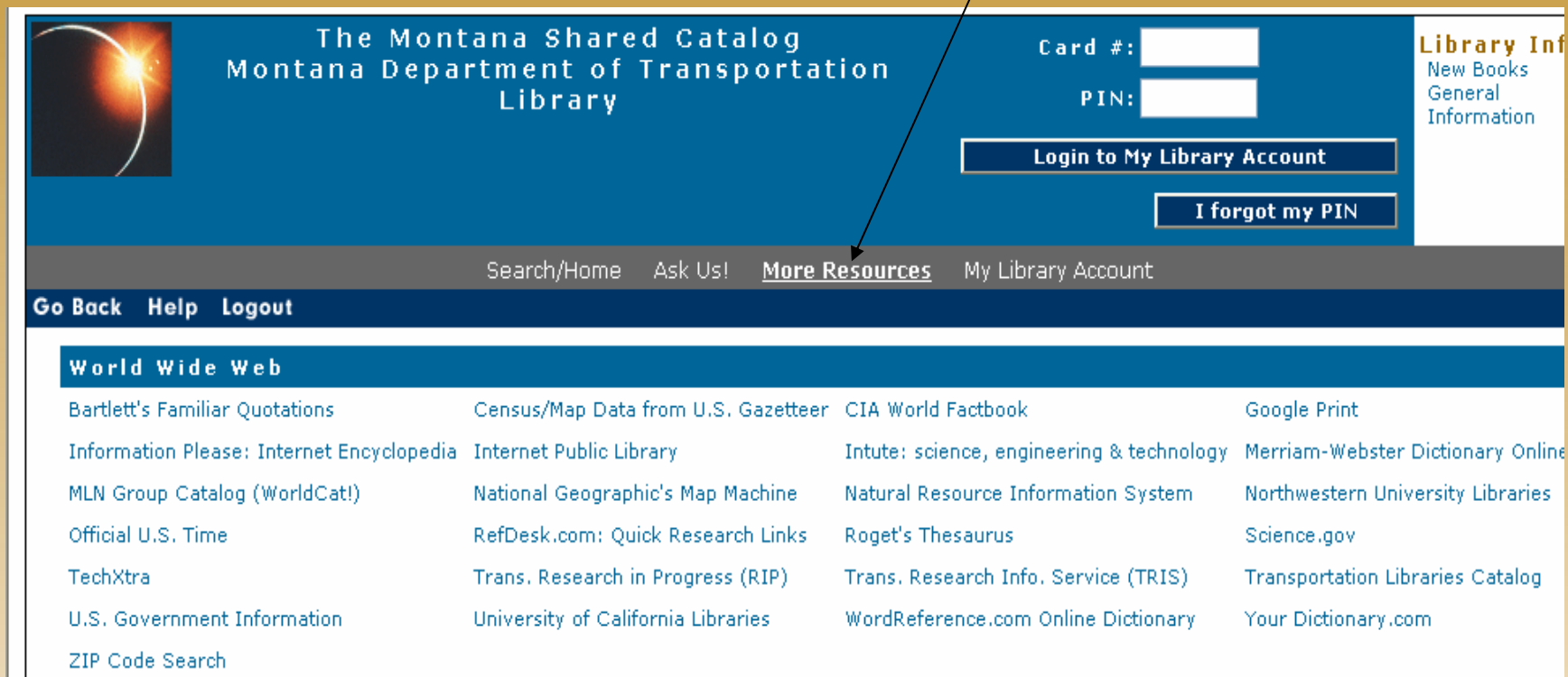
Similar Items

- [The Handbook of Conflict Resolution: Theory and Practice \(eBook\)](#)
- [Getting to Resolution: Turning Conflict Into Collaboration \(eBook\)](#)

[Search for All Similar Items](#)

Currently Viewing
[Mediate, Don't Litigate](#)

MORE RESOURCES



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World Wide Web

Bartlett's Familiar Quotations	Census/Map Data from U.S. Gazetteer	CIA World Factbook	Google Print
Information Please: Internet Encyclopedia	Internet Public Library	Intute: science, engineering & technology	Merriam-Webster Dictionary Online
MLN Group Catalog (WorldCat!)	National Geographic's Map Machine	Natural Resource Information System	Northwestern University Libraries
Official U.S. Time	RefDesk.com: Quick Research Links	Roget's Thesaurus	Science.gov
TechXtra	Trans. Research in Progress (RIP)	Trans. Research Info. Service (TRIS)	Transportation Libraries Catalog
U.S. Government Information	University of California Libraries	WordReference.com Online Dictionary	Your Dictionary.com
ZIP Code Search			

Click on “Library Catalog”.

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Click on “More Resources”. Then click on “WWW”.

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World Wide Web

Bartlett's Familiar Quotations	Census/Map Data from U.S. Gazetteer	CIA World Factbook	Google Print
Information Please: Internet Encyclopedia	Internet Public Library	Intute: science, engineering & technology	Merriam-Webster Dictionary Online
MLN Group Catalog (WorldCat!)	National Geographic's Map Machine	Natural Resource Information System	Northwestern University Libraries
Official U.S. Time	RefDesk.com: Quick Research Links	Roget's Thesaurus	Science.gov
TechXtra	Trans. Research in Progress (RIP)	Trans. Research Info. Service (TRIS)	Transportation Libraries Catalog
U.S. Government Information	University of California Libraries	WordReference.com Online Dictionary	Your Dictionary.com
ZIP Code Search			

Can search other library catalogs or various databases.

Techxtra









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In Engineering, Mathematics, and Computing

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Search for **traffic safety** in **All** collections found 4563 records

Results Summary	Search status	No of results
 Australasian Digital Thesis (ADT)	✓ Finished	13 records - go to results
 Australian Research Repositories Online to the World (ARROW)	✓ Finished	8 records - go to results
 CISTI - Canada Institute for Scientific and Technical Information	✓ Finished	10 records - go to results
 CiteSeer - Computer and Information Science Articles	✓ Finished	189 records - go to results
 Copac - Library Catalogues	✓ Finished	4051 records - go to results
 CSA Discovery Guides	✓ Finished	9 records - go to results
 Directory of Open Access Journals (DOAJ)	✓ Finished	3 records - go to results
 DSpace at MIT	✓ Finished	1 records - go to results

Montana Department of Transportation



transportation library

NUcat: the library catalog

Einstein: Quick start your research

ER: Electronic Resources

find

services

research assistance

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help

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[I. About the Transportation Library](#)

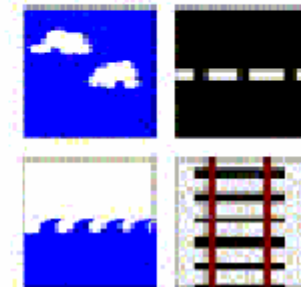
[II. About the Transportation Library Collection](#)

[A. NUcat \(Northwestern's Catalog; includes Transportation Library holdings\)](#)

[B. TRANweb \(The Transportation Library's periodical index\)](#)

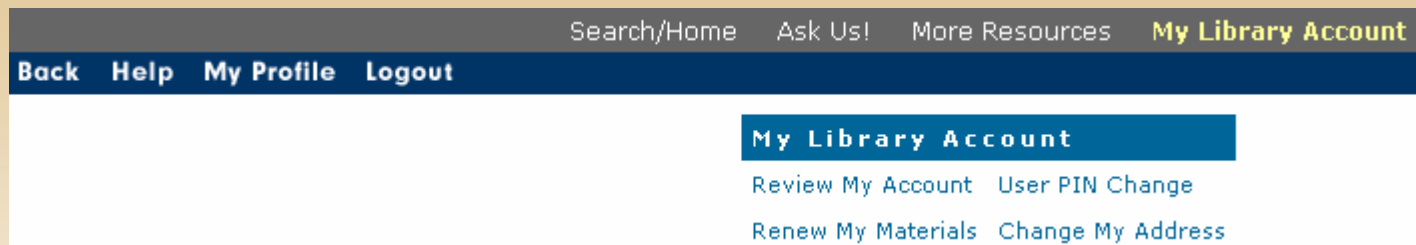
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**NEW
BOOKS!**



MY LIBRARY ACCOUNT

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- Change your PIN
- Change your address



DATABASES

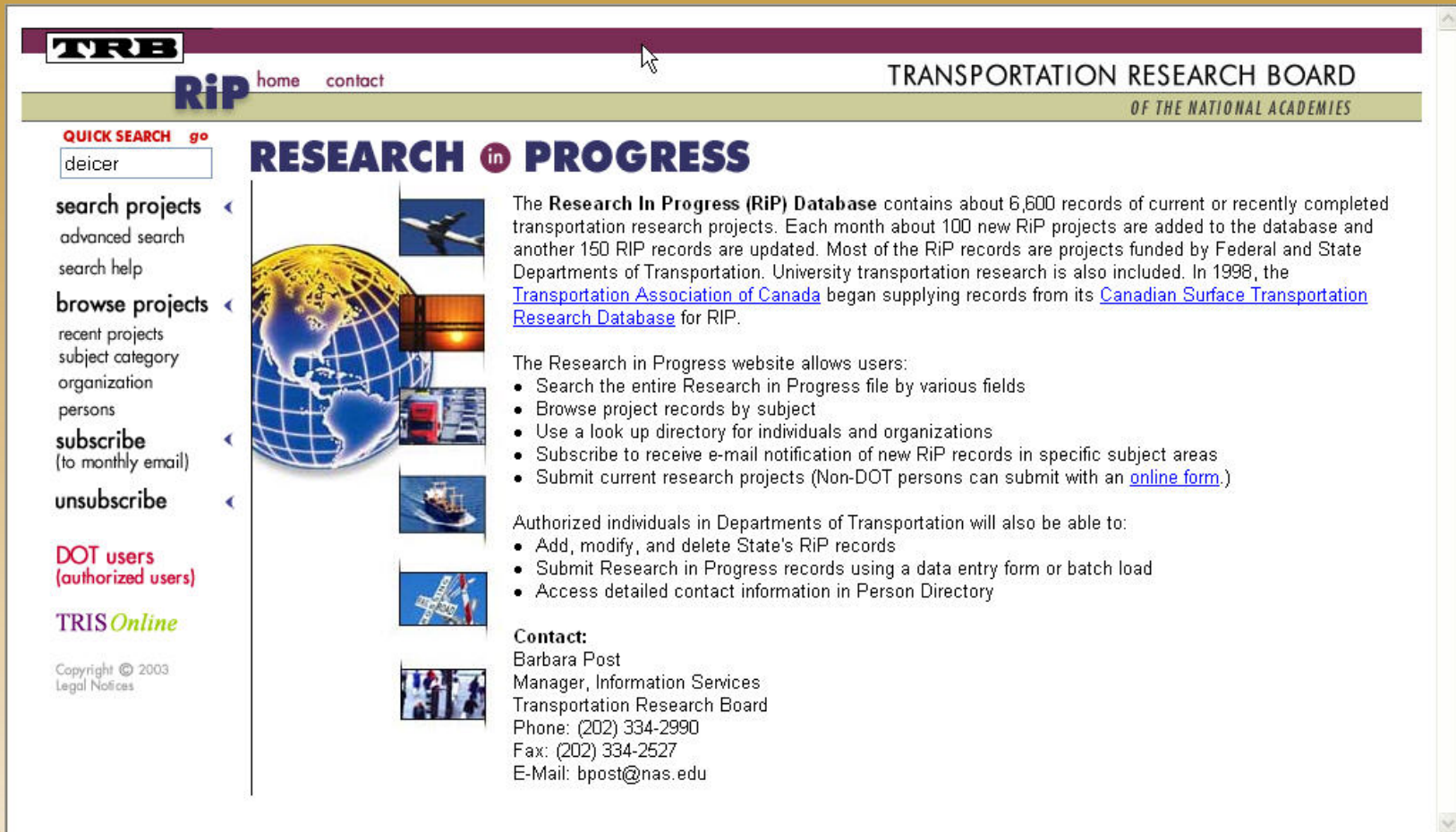
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- TRIS/NTL Integrated Search
- T L Catalog
- Gale/Infotrac Journals
- All 50 States DOT Search Engine

These databases can be accessed at the library home page:

<http://mdtinfo.mdt.state.mt.us/research/unique/services.shtml>

<http://www.mdt.mt.gov/research/unique/services.shtml>

RiP HOME PAGE



The screenshot shows the RiP HOME PAGE. At the top, there is a purple header with the TRB logo on the left and 'TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES' on the right. Below the header, a navigation bar contains 'RiP', 'home', and 'contact'. The main content area is titled 'RESEARCH in PROGRESS'. On the left, there is a sidebar with a 'QUICK SEARCH' box containing 'deicer' and a 'go' button. Below the search box are links for 'search projects', 'browse projects', 'subscribe', and 'unsubscribe'. Further down are links for 'DOT users (authorized users)' and 'TRIS Online'. At the bottom of the sidebar is a copyright notice: 'Copyright © 2003 Legal Notices'. The main content area features a large globe graphic and a vertical strip of small images showing various transportation modes: an airplane, a tunnel, a train, a ship, a highway interchange, and a group of people. To the right of the globe, there is a paragraph about the RiP Database, followed by a list of user capabilities and contact information for Barbara Post.

TRB **RiP** home contact

TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

QUICK SEARCH go
deicer

RESEARCH in PROGRESS

search projects ◀
advanced search
search help

browse projects ◀
recent projects
subject category
organization
persons

subscribe ◀
(to monthly email)

unsubscribe ◀

DOT users
(authorized users)

TRIS Online

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The **Research In Progress (RiP) Database** contains about 6,600 records of current or recently completed transportation research projects. Each month about 100 new RiP projects are added to the database and another 150 RiP records are updated. Most of the RiP records are projects funded by Federal and State Departments of Transportation. University transportation research is also included. In 1998, the [Transportation Association of Canada](#) began supplying records from its [Canadian Surface Transportation Research Database](#) for RiP.

The Research in Progress website allows users:

- Search the entire Research in Progress file by various fields
- Browse project records by subject
- Use a look up directory for individuals and organizations
- Subscribe to receive e-mail notification of new RiP records in specific subject areas
- Submit current research projects (Non-DOT persons can submit with an [online form](#).)

Authorized individuals in Departments of Transportation will also be able to:

- Add, modify, and delete State's RiP records
- Submit Research in Progress records using a data entry form or batch load
- Access detailed contact information in Person Directory

Contact:
Barbara Post
Manager, Information Services
Transportation Research Board
Phone: (202) 334-2990
Fax: (202) 334-2527
E-Mail: bpost@nas.edu

RIP SEARCH RESULTS

TRB
RiP [home](#) [contact](#)

TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

QUICK SEARCH [go](#)

[search projects](#) <
advanced search
search help
[browse projects](#) <
recent projects
subject category
organization
persons
[subscribe](#) <
(to monthly email)
[unsubscribe](#) <

[DOT users](#)
(authorized users)

[TRIS Online](#)

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RESEARCH in PROGRESS

Search Projects > Results

Subject Category: All Categories and Keywords (Title or Abstract): "DEICER"

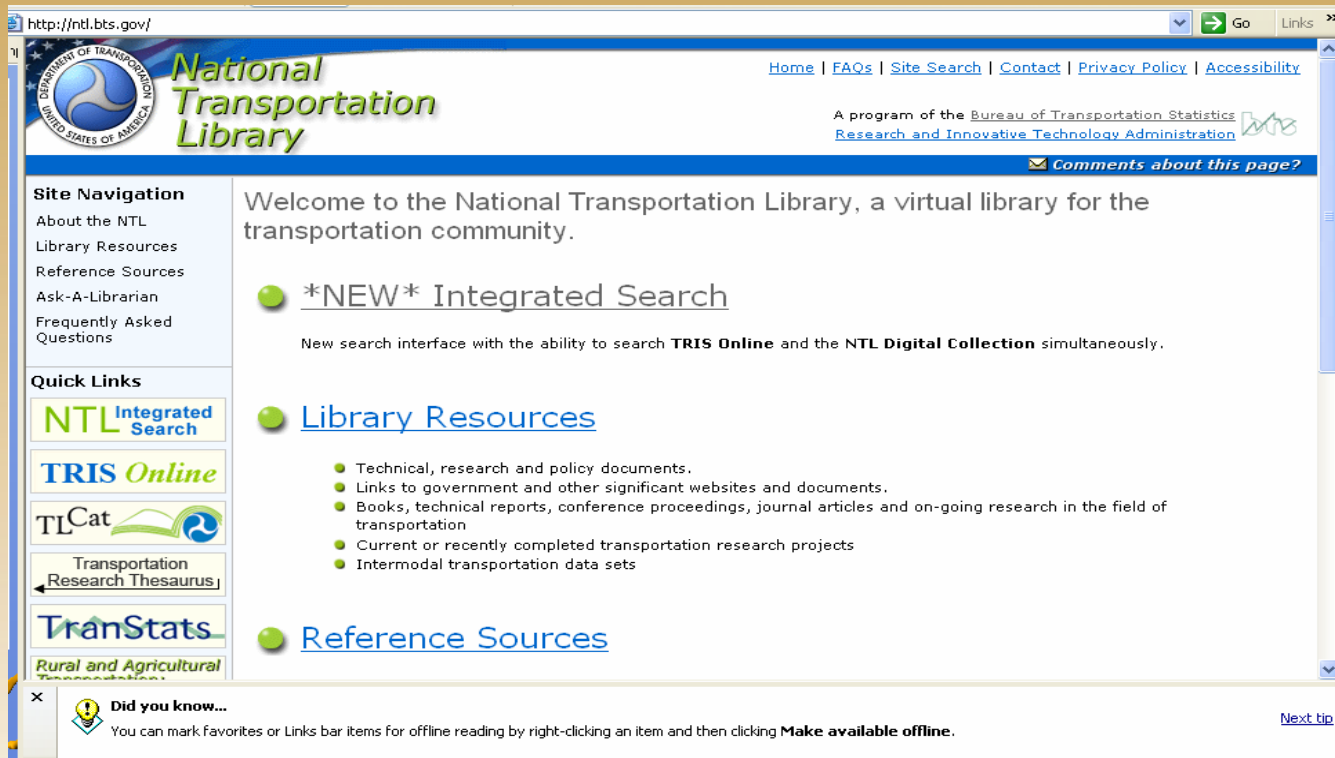
Number of matches: 7

[Recommendations for Winter Traction Materials Management on Roadways Adjacent to Bodies of Water](#)
Abstract: The main goal of this project is to develop a comprehensive document for the management of winter road traction materials on Montana highways so that the impacts on the adjacent aquatic resources from such materials will be minimized. The objectives of this project are to: (1) identify the design features and management practices that are the most successful in minimizing the impacts of road sanding materials on adjacent water bodies and identify the conditions under which they are the most effective; (2) address the issues associated with each design feature, including the applicability, site criteria, sizing criteria, engineering characteristics, safety concerns, maintenance issues, costs, effectiveness in the presence of snow, and sediment removal efficiency; (3) identify the effects of road sand particle size on aquatic habitat and summarize the practices regarding gradation of aggregates, friability factors and aggregate types; (4) examine the level of chloride and associated cations allowable in streams and compare their impact with the impact of road sand; (5) review current technologies that allow snowplows to change from sand to chemical deicer on selected road segments; (6) identify sediment delivery factors of road sand to adjacent streams, such as distance, slope, and vegetation; and (7) make recommendations to MDT for the management of winter traction materials, in terms of structural BMP's and non-structural BMP's, respectively, considering the needs and constraints related to Montana's climate, budget and affected roadways.
Start date: 2003/7/1
End date: 2004/8/30
Status: Active
Source Organization: Montana Department of Transportation




NTL/TRIS INTEGRATED SEARCH


Go to the library home page and click on NTL/TRIS ONLINE:



TRIS ONLINE

http://ntlsearch.bts.gov/tris/index.do

 **TRIS Online • TRT • NTL Catalogs**
NTL Integrated Search
National Transportation Library

 Transportation Research Board
Of the National Academies

[New Search](#) | [Browse](#) | [Advanced Search](#) | [Search History](#) | [Marked Records](#) | [TRT](#) | [Help](#)

New Search

Search in

for

[Search Tips](#)

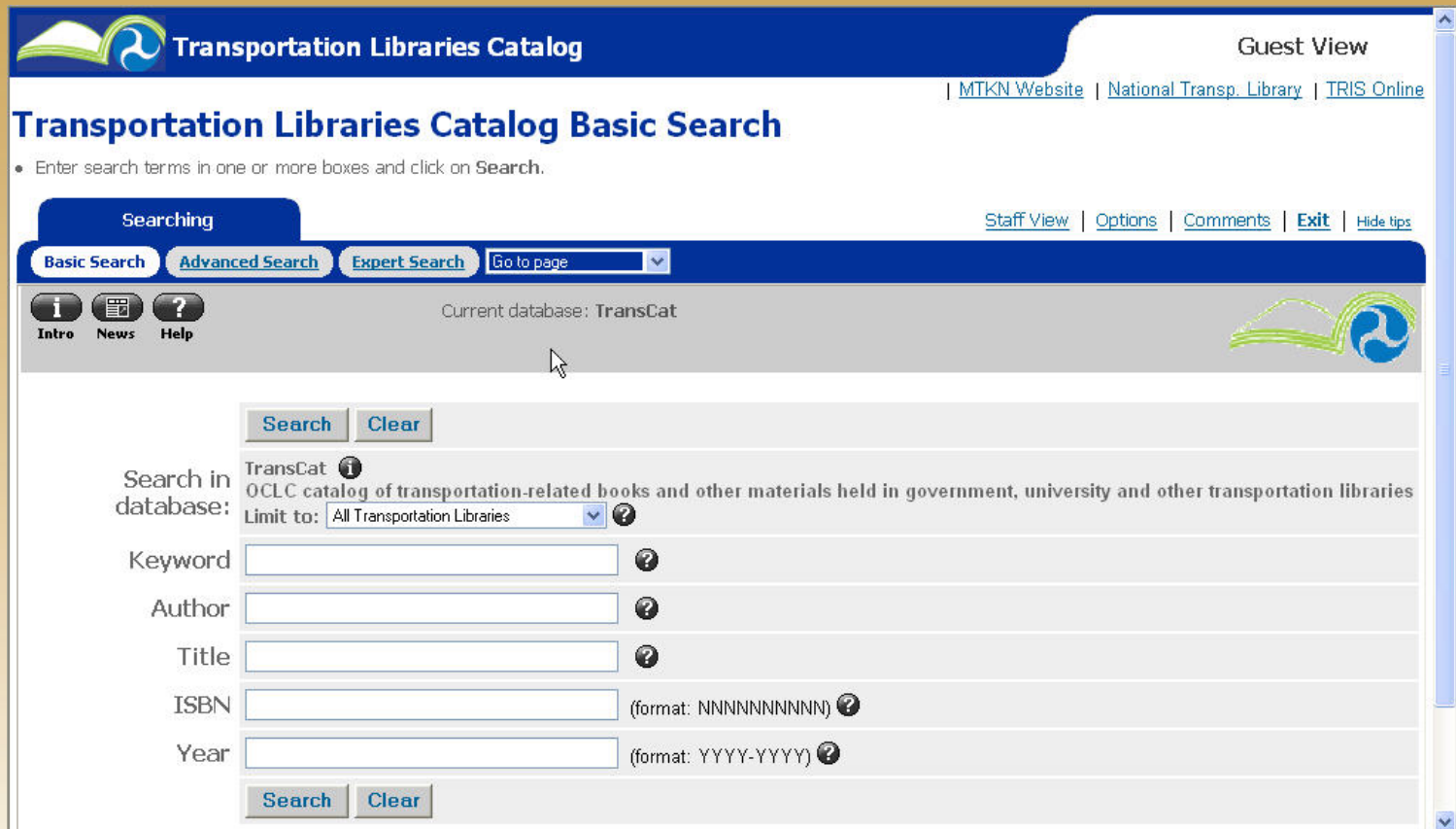
Search the [TRB Research in Progress \(RIP\) Database](#) for current research projects.
Search the [International Transport Research Documentation \(ITRD\) Database](#) for international material.
Search the [TLCat - Transportation Libraries Catalog](#) for transportation-related books and other materials held in government, university and other transportation libraries.
Search the [National Technical Information Service Database](#) for government-funded documents published since 1990.

TRIS is a bibliographic database funded by sponsors of the [Transportation Research Board \(TRB\)](#), primarily the state departments of transportation and selected federal transportation agencies. TRIS Online is hosted by the [National Transportation Library](#) under a cooperative agreement between the [Bureau of Transportation Statistics](#) and TRB.

[Privacy Policy](#) | [Accessibility](#)

TLCat HOME PAGE

Go to the library home page and click on Transportation Libraries Catalog.



The screenshot shows the 'Transportation Libraries Catalog Basic Search' page. At the top, there is a blue header with the 'Transportation Libraries Catalog' logo and text. To the right of the header, it says 'Guest View' and provides links for 'MTKN Website', 'National Transp. Library', and 'TRIS Online'. Below the header, the main title 'Transportation Libraries Catalog Basic Search' is displayed, followed by a bullet point: 'Enter search terms in one or more boxes and click on Search.' A navigation bar contains tabs for 'Searching', 'Basic Search', 'Advanced Search', and 'Expert Search', along with a 'Go to page' dropdown. Below this, there are links for 'Intro', 'News', and 'Help', and the text 'Current database: TransCat'. The main search area includes a 'Search' button, a 'Clear' button, and a 'Search in database:' dropdown set to 'TransCat'. Below this, there is a description of the database: 'OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries'. A 'Limit to:' dropdown is set to 'All Transportation Libraries'. There are five input fields for 'Keyword', 'Author', 'Title', 'ISBN', and 'Year', each with a help icon. The 'ISBN' field has a format hint '(format: NNNNNNNNNN)' and the 'Year' field has a format hint '(format: YYYY-YYYY)'. At the bottom of the search area, there are 'Search' and 'Clear' buttons.

Transportation Libraries Catalog

Guest View

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

Transportation Libraries Catalog Basic Search

- Enter search terms in one or more boxes and click on Search.

Searching

[Basic Search](#) | [Advanced Search](#) | [Expert Search](#) | [Go to page](#)

[Intro](#) | [News](#) | [Help](#)

Current database: TransCat

[Search](#) [Clear](#)

Search in database: TransCat

OCLC catalog of transportation-related books and other materials held in government, university and other transportation libraries

Limit to: All Transportation Libraries

Keyword

Author

Title

ISBN (format: NNNNNNNNNN)

Year (format: YYYY-YYYY)

[Search](#) [Clear](#)

Montana Department of Transportation Intranet						
MDT Info	Employee Info	Training	Resources	Policies/Laws	Travel Info	
RESOURCES GENERAL Info Tech Architecture Internal Job Postings Library/Reference Material RESOURCES Computer Tips Forms Help Guides Image Repository ISD Services Links to Other Sites Manuals MDT Letterhead Online Applications Oracle Menu Polycom Reports MT Information Network (MINE) SEARCH Phone/Cell & SABHRS ID Freq Used Names & Nos Web Pages		Library Services Online Public Access Catalog (OPAC) Search the Catalog Learn More About Searching the Catalog and Searching Services Training Top 10 Reasons to Find it @ your MDT Library Literature Searches Databases National Transportation Library and Transportation Research Information Service (TRIS) have merged to form a new database NTL/TRIS Online . ALL 50 State DOT Search Engine Research in Progress (RIP) is also useful for finding studies that are not yet published. In addition, you can search the Infotrac databases provided by Montana State Library. If you are having trouble finding what you need, contact MDT Research . Interlibrary Loan If you would like to obtain a publication that we do not hold, please either request the item from the I Need Material link in our catalog at http://mtscprod.msl.mt.gov/uhtbin/cgiirsi/x/0/0/49?user_id=MT-DOTWEB&password= or send us an e-mail at MDT Research .				

TLCat SEARCH RESULTS

Transportation Libraries Catalog Guest View

[MTKN Website](#) | [National Transp. Library](#) | [TRIS Online](#)

Transportation Libraries Catalog List of Records

- Click on a title to see the detailed record.
- Click on a checkbox to mark a record to be e-mailed or printed in Marked Records.

[Searching](#) [Results](#) [Staff View](#) | [Options](#) | [Comments](#) | [Exit](#) | [Hide tips](#)

[List of Records](#) [Detailed Record](#) [Marked Records](#) [Go to page](#) ▼

Sort [Related Subjects](#) [Related Authors](#) [Limit](#) [E-mail](#) [Print](#) [Export](#) [Help](#)

Transportation Libraries Catalog results for: kw: deicer. Searched in: All Transportation Libraries
Records found: 45 Rank by: Number of Libraries

Prev 1 Next Search in: All Transportation Libraries [Select](#) ?

All 45 Books 34 Visual 6 Articles 5

Limit results: Any Audience ▼ Any Content ▼ Any Format ▼ [Search](#) ?

- ☐ [Frictional characteristics of sand and sand-deicer mixtures on bare ice /](#)
Author: Hossain, M. Makbul.; Bajorski, Peter.; Yang, Wei-Shih,
Publication: Albany, N.Y. : Transportation Research and Development Bureau, New York State Dept. of Transportation, 1996-09
Document: English : Book
Libraries: All Transportation Libraries: 9 Worldwide: 26
More Like This: [Search for versions with same title and author](#) | [Advanced options ...](#)
[See more details for locating this item](#)
- ☐ [Deicer-freeze-thaw resistance characteristics of Portland cement concrete for Wisconsin pavements /](#)
Author: Cramer, Steven M.
Publication: Madison, WI : Wisconsin Dept. of Transportation, Division of Highways, Bureau of Highway Engineering, Office of Construction, Pavement Research and Performance, 1995, 1200s
Document: English : Book

INFOTRAC Journals

Cross Searchable Databases | [Additional Databases](#)

☐ Select the databases you wish to search.
Select All **Submit** **Cancel**

☐ **Business and Company ASAP** 1980 - Jan 2007
Select Providing researchers with information on companies, markets and industries. From market trends, mergers and acquisitions to current management theory and company overviews. Access business and trade journals, newspapers and company directory profiles with full text and images.

☐ **Gale Virtual Reference Library**
Select Gale Virtual Reference Library is a database of encyclopedias and specialized reference sources for multidisciplinary research. These reference materials once were accessible only in the library, but now you can access them online from the library or remotely 24/7. Because each library creates its own eBook collection, the content you see may vary if you use the database at different libraries (your school, your public library, or your office).

☒ **InfoTrac OneFile** 1980 - JAN, 2007
Select A one-stop source for news and periodical articles on a wide range of topics: business, computers, current events, economics, education, environmental issues, health care, hobbies, humanities, law, literature and art, politics, science, social sciences, sports, technology, and many general interest topics. Millions of full-text articles. Updated daily.

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Select From arts and the humanities to social sciences, science and technology, this database meets research needs across all academic disciplines. Access scholarly journals, news magazines, and newspapers - many with full text and images!

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Basic Search

Currently Searching **InfoTrac OneFile**

Basic Search

Find: bridge decks

Search

Search for words in: ☐ Subject ☒ Keyword ☐ Entire document

[More search options](#)

Powered by InfoTrac®

Quick Search

Find:

SEARCH

Subject Terms

- [Bridge \(Game\)](#)
- [Bridge and Router Software](#)
- Bridge Authorities
[See](#) "Transportation Authorities"
- Bridge Cameras
[See](#) "Autofocus Cameras"
- Bridge Circuits
[See](#) "Electric Bridges"
- [Bridge Construction](#)
- Bridge Cranes
[See](#) "Gantry Cranes"
- [Bridge Failures](#)
- Bridge Loans
[See](#) "Short Term Financing"
- [Bridge Medical Inc.](#)
- [Bridge Pharma](#)
- [Bridge Piers](#)
- [Bridge Players](#)
- [Bridge Routers \(Network Hardware\)](#)
- Bridge Software (Networks)
[See](#) "Bridge and Router Software"

Results for Basic Search: **(KE (bridge decks))LIMITS:(peer-reviewed)**

Magazines Academic Journals Reference News Multimedia

[Expand/Limit](#)

Sort by: Publication Date

Mark All Previous Results 1 - 20 of 80 GO Next

- ☐ Mark **1. Durability of FRP composite bridge decks - construction and temperature effects.(Fibre-Reinforced Polymer).** Bahram M. Shahrooz, Andrew R. Neumann and Reiner M.W. Reising.
International Journal of Materials and Product Technology 28.1/2 (Dec 1, 2006): p66.
[Abstract](#) | [About this publication](#) | [How to Cite](#)
- ☐ Mark **2. Fatigue durability of FRP composite bridge decks at extreme temperatures.(Fibre-Reinforced Polymer).** Piyush K. Dutta, Roberto Lopez-Anido and Soon-Chul Kwon.
International Journal of Materials and Product Technology 28.1/2 (Dec 1, 2006): p198.
[Abstract](#) | [About this publication](#) | [How to Cite](#)
- ☐ Mark **3. Reliability-based optimization of fiber-reinforced polymer composite bridge deck panels.(Author abstract).** Michel D. Thompson, Christopher D. Eamon and Masoud Rais-Rohani.
Journal of Structural Engineering 132.12 (Dec 2006): p1898(9).
[Abstract](#) | [About this publication](#) | [How to Cite](#)
- ☐ Mark **4. Construction and cost analysis of an FRP reinforced concrete bridge deck.** Adam C. Berg, Lawrence C. Bank, Michael G. Oliva and Jeffrey S. Russell.
Construction and Building Materials 20.8 (Oct 2006): p515(12). (4797 words)
[Full-text with graphics](#) | [12 PDF pages](#) | [About this publication](#) | [How to Cite](#)

All-50 State DOT Search Engine

Transportation Website Search Engines

- State Departments of Transportation
- Local / Tribal Transportation Assistance Programs
- University Transportation Centers
- Transit Agencies
- Municipal Planning Organizations

<http://www.google.com/coop/cse?cx=006511338351663161139%3Acnk1qdck0dc>

State DOT Search Engine

Search the websites of the Departments of Transportation from the fifty United States and the District of Columbia.

To search public transit agencies, try:

<http://www.google.com/coop/cse?cx=012995479145342077058%3Aipxox2lxkha>

To search university transportation centers, try: <http://www.google.com/coop/cse?cx=010809592348763093458%3A3jsikrwi874>

To search LTAP and TTAP Centers, try: <http://www.google.com/coop/cse?cx=010809592348763093458%3Ar3i0biypw1u>

To search metropolitan planning organizations, try: <http://www.google.com/coop/cse?cx=006511338351663161139%3Aktu1nltiojg>

Creator



Name: WSDOT Library
Member since: Dec 19

State DOT Search Engine searches 55 sites, including:
.nysdot.gov/, [http://.in.gov/dot/](http://*.in.gov/dot/), http://*.deldot.net/,
http://*.maine.gov/mdot/, http://*.az511.com/

Last updated: 8 days ago



Address  <http://www.google.com/custom?hl=en&lr=&client=google-coop-np&cof=CX%3AState%2520DOT%2520Search%2520Engine%3B&q=SCENIC>

State DOT Search Engine

☒ State DOT Search Engine ☐ Web Search

Results 1 -

[Alaska's Scenic Byways](#)
Including a detailed map of Alaska showing both sea and land routes.
www.dot.state.ak.us/stwdplng/scenic/ - [Similar pages](#)


[MDSHA: Maryland Scenic Byways](#)
Maryland has recently designated 31 State **Scenic Byways** dubbed with names that reflect the rich heritage of the region. Find out more about these **byways** ...
www.sha.state.md.us/exploremd/oed/scenicByways/scenicByways.asp - 27k - [Cached](#) - [Similar pages](#)

[NCDOT Roadside Environmental Unit: NCDOT Scenic Byways](#)
Donations to the NCDOT **Scenic Byways** Program are appreciated - to order a **Scenic Byways** book please send donations to: **Scenic Byways** Program ...
www.ncdot.org/doh/Operations/dp_chief_eng/roadside/scenic/ - 20k - [Cached](#) - [Similar pages](#)

[Scenic Byways Webpage](#)
View a .pdf brochure on Maine's **Scenic Byways** which describes all of the **Scenic Byways** in Maine.(Please note that this is a fairly large document, ...
www.maine.gov/mdot/projects-grant-applications/scenic_byways.php - 18k - [Cached](#) - [Similar pages](#)

[Scenic Byways Home Page](#)
*To view information about your favorite **Scenic Byway** either click on ... For your free copy of "A Guide to Idaho's **Scenic Byways**" Contact Garry Young at: ...
itd.idaho.gov/byways/ - 15k - [Cached](#) - [Similar pages](#)

LITERATURE SEARCHES



Serving You With Pride

Montana Department of Transportation Intranet

MDT Info	Employee Info	Training	Resources	Policies/Laws	Travel Info
--------------------------	-------------------------------	--------------------------	---------------------------	-------------------------------	-----------------------------

RESOURCES

GENERAL

- [Info Tech Architecture](#)
- [Internal Job Postings](#)
- [Library/Reference Material](#)

RESOURCES

- [Computer Tips](#)
- [Forms](#)
- [Help Guides](#)
- [Image Repository](#)
- [ISD Services](#)
- [Links to Other Sites](#)
- [Manuals](#)
- [MDT Letterhead](#)
- [Online Applications](#)
- [Oracle Menu](#)
- [Polycom](#)
- [Reports](#)

MT Information Network (MINE)

SEARCH

- [Phone/Cell & SABHRS ID](#)
- [Freq Used Names & Nos](#)
- [Web Pages](#)

Literature Search

The Research office has access to hundreds of databases to help you find the information you need to do your job. Research staff can search these databases using many criteria, such as, author, title, subject, journal, publisher, publication date or year, etc.

[Request a literature search](#)

Alternatively, you may search [TRB's Transportation Research Information Service \(TRIS Online\)](#) or [Research in Progress \(RIP\)](#) databases yourself. If you are not achieving the success you desire in searching these databases, please [submit a request form](#).

For more information, please contact [MDT Research](#).

Home	Departments	Search	MDT Internet
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Literature Search Request

Successful literature searches require complete information, please enter all appropriate search concepts/terms and their synonyms. Please enter **one** concept/term in each field and enter all appropriate synonyms in the corresponding synonym box.

When you have completed the form, press the submit button. The information will be sent to MDT Research so the request can be processed.

Text marked in **red** is required.

To maneuver through the form, use your mouse or tab/arrow keys.

If you have any questions regarding this form please contact the [MDT Research Bureau](#).

Name: (Required)

Telephone Number: (Required)

Concept/Term:

Synonym(s):

Please let us know if you would like to limit your search.

For example, you may wish to limit your search to a certain publication years or series of years, the English language, etc. Please also add any other pertinent information of which we should be aware.

OTHER SERVICES

- Interlibrary Loans
- Bibliographies or Pathfinders
- Book circulation to all MDT sites
- Library Instruction quarterly, or on request one-on-one

QUESTIONS?

Contact Research Staff:

Lisa Autio, Librarian – 444-6125 or lautio@mt.gov

Sue Sillick – 444-7693 or ssillick@mt.gov

Jeanne Nydegger – 444-6338 or jnydegger@mt.gov

Craig Abernathy – 444-6269 or cabernathy@mt.gov